

State Water Resources Control Board

UST CASE CLOSURE REVIEW SUMMARY REPORT

Agency Information

Agency Name: County of Orange Health Care Agency (County)	Address: 1241 East Dyer Road, Suite 120 Santa Ana, CA 92705
Agency Caseworker: Denamarie Baker	Case No.: 92UT003

Case Information

USTCF Claim No.: 4214	GeoTracker Global ID: T0605901541
Site Name: G & M Oil #43	Site Address: 1740 Newport Boulevard, Costa Mesa, CA 92627
Responsible Party: Kathleen Lowe	Address: 20945 South Wilmington Ave, Carson, CA 90810
USTCF Expenditures to Date: \$1,190,258	Number of Years Case Open: 23

To view all public documents for this case available on GeoTracker use the following URL:
http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605901541

Summary

The Low-Threat Underground Storage Tank (UST) Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy. Highlights of the case follow:

This case is an active commercial petroleum fueling facility. An unauthorized release was reported in January 1992. In 1988, four USTs (three gasoline and one waste oil) and contaminated soil were removed during site redevelopment. From 1995 to 2001 approximately 634 gallons of free product were removed from the Site. In February 1998, a SVE system was installed and began operation. In May and June 2000 approximately 1,100 tons of affected soil was removed during remedial investigation. Since April 2001, a groundwater extraction system has been operating. The SVE operated until August 2004 when it was shut-down as a result of low inlet vapor concentration. The system was re-started in November 2005, and again shut down in January 2006. On December 28, 2011, a total of 1,978,797 gallons of groundwater had been extracted. Active remediation has not been performed at the Site in the last 3 years. Since 1992, 10 groundwater monitoring wells have been installed and regularly or irregularly monitored; 18 monitoring wells have been abandoned. According to groundwater data, water quality objectives have been achieved or nearly achieved for all petroleum fuel constituents.

The petroleum release is limited to the soil and shallow groundwater. According to data available in GeoTracker, there are no public water supply wells or surface water bodies within 1,000 feet of the defined plume boundary. No other water supply wells have been identified within 250 feet of the defined plume boundary in files reviewed. The unauthorized release is located within the service area of a public water system, as defined in the Policy. The affected shallow groundwater is not currently being used as a source of drinking water, and it is highly

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unlikely that the affected shallow groundwater will be used as a source of drinking water in the foreseeable future. Other designated beneficial uses of the affected shallow groundwater are not threatened, and it is highly unlikely that they will be, considering these factors in the context of the site setting. Remaining petroleum hydrocarbon constituents are limited and stable, and concentrations are decreasing. Corrective actions have been implemented and additional corrective actions are not necessary. Any remaining petroleum hydrocarbon constituents do not pose a significant risk to human health, safety or the environment.

Rationale for Closure under the Policy

- General Criteria: The case meets all eight Policy general criteria.
- Groundwater Specific Criteria: The case meets Policy Criterion 1 by Class 2. The contaminant plume that exceeds water quality objectives is less than 250 feet in length. There is no free product. The nearest water supply well or surface water body is greater than 1,000 feet from the defined plume boundary. The dissolved concentration of benzene is less than 3,000 µg/L, and the dissolved concentration of MTBE is less than 1,000 µg/L.
- Vapor Intrusion to Indoor Air: The case meets the Policy Exclusion for Active Station.
- Direct Contact and Outdoor Air Exposure: The case meets Policy Criterion 3a. Maximum concentrations in soil are less than those in Policy Table 1 for Commercial/Industrial use, and the concentration limits for a Utility Worker are not exceeded.

Determination.


Based on the review performed in accordance with Health & Safety Code Section 25299.39.2 subdivision (a), the Fund Manager has determined that closure of the case is appropriate.

Recommendation for Closure

Based on available information, residual petroleum hydrocarbons at the Site do not pose a significant risk to human health, safety, or the environment, and the case meets the requirements of the Policy. Accordingly, the Fund Manager recommends that the case be closed. The State Water Board staff is conducting public notification as required by the Policy. Orange County has the regulatory responsibility to supervise the abandonment of monitoring wells.



Lisa Babcock, P.G. 3939, C.E.G. 1235



Date

Prepared by: Walter Bahm, P.E.